

Abstract

A device for processing a wire having an outer surface and moving along a given path in a give direction. The device comprises a conductive contact tube surrounding said path and electrically engageable with the wire as it moves along the path and through the tue and a dielectric sleeve adjacent the contact tube and extending in the given direction from the contact tube and around the path to define an annular gas passage between the dielectric sleeve ad the wire. An inlet for processing gas is adjacent the contact tube in and a conductive electrode sleeve is around the dielectric sleeve so a high frequency, high voltage signal between said electrode sleeve ad the contact tube creates a dielectric barrier discharge plasma of the progressing gas in the annular passage.